No. 35.

CARADOC and SEVERN VALLEY FIELD CLUB.

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RECORD OF BARE FACTS,
FOR THE YEAR 1925.

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A List of the More Noteworthy Observations made by Members of the Caradoc and Severn Valley Field Club and others.

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1926.

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The names printed in italics after occurrences recorded are those of the observers.

The names of Meteorological observers are given in the first table under that head.

CORRIGENDA—RECORD 1924.

p. 17 for **I. Sodeni** read **I. Godeyi** *gillet.*
p. 18 for **C. (Dermocybe) lepidotus** read **lepidopus.**
for **C. (Telamonia) hipnuleus** read **hinnuleus.**
for **C. (Hydrocybe) germanns** read **germanus.**

The recorded species of Diptera should read 4,000.

BOTANY.

Roman numerals refer to the Botanical Districts of the County, as shown in the "Caradoc" Special Map.

I. FLOWERING PLANTS.

But few have contributed to our lists this past season. Much kind assistance has, however, as usual, been given by Mr. G. Potts, and a few records have also been supplied by Miss Eleanora Armitage, and Messrs. G. M. Furley, H. F. Harries and D. H. Robinson, to all of whom we are indebted.

A very welcome addition to our knowledge of the rich Fungus Flora of the County has likewise been most generously given by Mr. Carleton Rea, who has collected many varieties, including several novelties, lately described by him, in his lately published work entitled "British Basidiomycetes," now recognized as the up-to-date standard work on the subject.

It should be one of our future objects to endeavour to confirm existing records, especially those mentioned in the Rev. W. A. Leighton's Flora (1841). That work, most thoroughly done, was almost exhaustive at the time it was written, but many changes have, naturally, since occurred. Increase of building, reclamation of waste-land, and other evident causes, make for the extinction of some plants, and appearance of others, many being aliens, and now more recognized in our lists than was formerly the case.

J. COSMO MELVILL.

Clematis vitalba, *L.*

IV. Building operations during the past few years have interfered with the one locality in this section for the Travellers' Joy, but I am glad to say it is still to be found, though it would be more prudent not to divulge the exact station. *Melvill.*

Delphinium.

XIII. In the Report for 1923 I expressed a doubt whether the true **D. Consolida** *L.* had occurred in Britain. I note it is kept on our lists in the new edition of the London Catalogue lately issued. But I am sure it has not yet been seen in Salop; the plant that has occurred would appear to be **D. Ajacis Reichl.** *Melvill.*

***Berberis (Mahonia) aquifolium.** *Pursh.*

IV. This American species is freely increasing in several shrubberies and gardens. An ornamental shrub, it is extensively planted, and has found a place as naturalized in the new London Catalogue. *Melvill.*

Corydalis lutea, *D.C.*

IV. VII. VIII. Another alien, that readily increases and makes itself at home, in several places in the County. It is ignored in Leighton's Flora, but is specially mentioned by Augustus J. C. Hare in his *Shropshire,* p. 269, as abounding near Weston Park, in company with **Fritillaria meleagris,** *L. Melvill.*

Fumaria.

In the Journal of Botany for 1912 appeared as a supplement, a paper by Mr. H. W. Pugsley, B.A., etc., upon the distribution of this genus in Britain. I give as specially mentioned the following Salopian localities :—

F. purpurea. *Pugsley,* 1902.

IV. Salop, near Shrewsbury. *Herb. Dillenius.*

F. muralis. *Sonder.*

VIII. Little Stretton. *Rev. Augustin Ley.* (*var.*: **decipiens**).

F. boraei, *Jordan.*

IV. Shrewsbury Rev. Moyle Rogers (*Hb. Mus. Brit.*) Shipwell (*Herb. H. C. Watson*).

F. Painteri, *Pugsley.*

X. Iron Bridge. *Rev. W. Hunt Painter.*

VI. Bishop's Castle. ditto.

N.B.—Mr. Painter's Herbarium is now in the University Museum, Aberystwyth.

Is evidently a hybrid **F. officinalis** × *Boræi.*

In addition to these, I have had certain varieties, all found by myself, determined by Mr. Pugsley in recent years, and I would especially refer to *Record of Bare Facts,* 1909–1912, where several are enumerated, including

F. Boræi, *var.* : **gracilis,** *Pugsley*=**muraliformis** *Clavaud.*
,, *var.* : **britannica** *Pugsley.*
F. purpurea, *Pugsley.*
F. officinalis, *L.*, *var.* : **elegans,** *Pugsley.*
,, *var.* : **Wirtgeni,** *Jordan.*
F. micrantha, *Lagasca.*
All found in Station IV, and are mostly from Meole Brace. *Melvill.*

Geranium pusillum, *Linn.*
VIII. Search has been made in vain in the locality near Stapleton, where, as reported last year, Mr. Paulson found abnormal specimens, exhibiting more than the usual number of carpels. This may have been occasioned by some unexplained peculiarity of the weather. Such departures from the normal are of great rarity in the order **Geraniaceæ.** *Melvill.*

Euonymus europœus, *Linn.*
XIII. Thatcher's Wood, Bridgnorth. *G. Potts.*

Claytonia perfoliata, *Linn.*
XI. Edgmond. Very probably an escape. *D. H. Robinson.*

Rhamnus catharticus, *Linn.*
XI. Sandy Lane, Edgmond. Several strong-growing bushes observed. *D. H. Robinson.*

Medicago sativa, *L.*
VIII. Fields at Whitwell, Much Wenlock, and also in Benthall Parish. Probably derived from cultivation, **Lucerne** being sometimes planted with clover. *G. Potts.*

Trifolium filiforme, *L.*
IV. Meole Brace, not infrequent. *Melvill.*

Potentilla recta, *Linn.*
IV. Occasional: Meole Brace. Quite fine in 1924, coming up adventitiously. *Melvill.*

Potentilla argentea, *Linn.*
VII. Walls of Haughmond Abbey.
This is certainly rare in the county; and was considered so by Rev. W. A. Leighton (*Flora*, p. 241), who only gives, besides the above locale, Beaumont Hill, Quatford, Ruckley Wood, and a wall at Cound. At Haughmond I found it dwarfed, and scantily flowering, in two places only on the crumbling walls last summer. *Melvill.*

Ribes nigrum, *L.*
IV. Banks of Rea Brook, scarce. Mentioned as infrequent by Leighton (*Flora*, p. 120). I also noticed the Gooseberry (**R. Grossularia,** *L.*) growing near, and apparently quite native. *Melvill.*

Pimpinella major, *Hudson* = **magna.**
X. Presthope, growing tall, say 3½ feet high. *G. Potts.*

Anthriscus cerefolium, *Hoffin.*
IV. Weed in garden, only seen one year. *Melvill.* It is mentioned in Leighton's *Flora* (p. 133) as most probably an escape in waste ground, Ludlow Castle, Broseley, and White-Ladies, near Boscobel. It is a delicate plant, with somewhat elegant foliage.

Foeniculum vulgare, *Mill.*
North side of R. Severn, increasing, and rapidly nearing Coalport. Mentioned by Leighton as from Coalbrookdale (p. 129). *G. Potts.*

Sambucus ebulus, *Linn.*
VIII. X. Presthope. Increasing here despite much quarrying. This locality is on the border of two divisions. *G. Potts.*

Matricaria suaveolens, *Buch.* = **discoidea** *D.C.*
This American inconspicuous, but very sweet-smelling Chamomile, was, I believe, first recorded as an adventitious plant from Whitchurch, Salop. It is now almost universally to be found in Gt. Britain, and Mr. Potts records it this year from Cardington, most abundant in the school-yard there.

Senecio vulgaris, *L. var.*
II. Whittington, near the Castle. A rayed variety. *H. F. Harries.*

Picris hieracioides, *L.*
VIII. Harley Hill, near Wenlock. *Melvill.*
Considered uncommon (*Flora Shropshire,* p. 385) this plant best flourishes in calcareous or limestone soil.

Tragopogon porrifolius, *Linn.*
IV. The Salsafy: and therefore a culinary vegetable. I have once or twice found it as an escape. It is known by its purple flowers, which, however, do not expand conspicuously except in bright sunshine. *Melvill.*

Campanula glomerata, *Linn.*
VIII. Presthope, locally abundant. *G. Potts. vide* Leighton's *Flora,* p. 110, where it is said to occur between Easthope and Lutwyche, all on Wenlock Edge.

Campanula latifolia, *Linn.*
XIII. Thatcher's Wood, Bridgnorth. *G. Potts.*

Pyrola minor, *Linn.*
X. Near Stanton Lacy, *Miss Eleanora Armitage.*
N.B.—It is not improbable that the allied species **P. media** *L.* may be found in the county, if critical search be made.

Cynoglossum officinale, *L.*
XII. The Hills Farm, Bridgnorth. Uncommon in this Division. *G. Potts.*

Hottonia palustris, *Linn.*
VIII. Marsh Pool, Benthall. Introduced here some years ago by Mr. G. Potts and W. B. Allen, now increased and thriving.

Atropa Belladonna, *L.*
VIII. The Deadly Nightshade occurs as a weed in grounds of Benthall Hall. *G. Potts.*

Datura Stramonium, *Linn.*
XI. Near Edgmond. *D. H. Robinson.*

Hyoscyamus niger, *Linn.*
VIII. Twenty-five years ago not uncommon at Tickwood; but seems now to have disappeared. Leighton has several stations for it, however, in this neighbourhood, Wenlock, etc. *G. Potts.*

Verbascum thapsus, *L.*
XI. Ruins of Uriconium, August, 1925. *Melvill.*

Verbascum blattaria, *Linn.*
VI. One plant; and, though I noticed no others in any cottage gardens near, I have no doubt it was an escape from one. A reappearance occurred in 1909 at the same place (*vide Bare Facts* for that year). *Melvill.*

Verbascum virgatum, *Stokes.*
VI. Is establishing itself. Origin unknown. I have noticed it for some years in grounds of Meole Hall. *Melvill.*

Linaria repens and **vulgaris.**
X. First found and recorded in *Bare Facts* for 1903 by Mr. G. Claridge Druce, at Presthope. Refound this year (1925) by *Mr. G. Potts,* the flowers being now pure white, and the whole plant more delicate and very beautiful. It is well not to give a more exact locality, for it would be very deplorable if it were extirpated.

Calamintha ascendens, *Jordan.*
X. Mr. Pugsley, who has lately introduced a species (C. bætica) as new to Great Britain, from Dorsetshire, announces that the plant known hitherto as **officinalis** *Auct. Angl.* must in future, bear the above name. It is common at Ludlow Castle.

Lamium purpureum, *L.*
var.: **decipiens,** *Sonder.*
X. Stanton Lacy. *Miss Eleanora Armitage.*

Polygonum bistorta. *L.*
VIII. Very luxuriant, and beautiful when flowering profusely, near Benthall Hall. *G. Potts.*
IV. It also occurs in field, Meole Hall. *Melvill.*

Potamogeton panormitanus, *Biv.*
II. We are indebted to Mr. Arthur Bennett, of Croydon, for the following particulars as to the finding of this rare Pondweed in the County, and he is very anxious that its occurrence should be confirmed. Accordingly it is well worth while printing his remarks in full

* * * * * * * * *

Potamogeton panormitanus, *Biv. Bern.* in Shropshire.

This plant until late years was always regarded by the Italian Botanists as merely a variety of **P. pusillus,** *L.*; until Rev. Hagström in Neumans' Sveriges Flora 1901, p. 801, and in his *Critical Researches in the Potamogetons,* 1916, pp. 98–103; discussed the question and showed it was a distinct species by a very careful account of it.

It was mentioned by Prof. Babington in *Journal of Botany* (1881) pp. 9 and 54, by myself in same at 67 and 242, by Macoun in *Cat. of Canadian Plants* (1888) p. 87, and by Rev. Morong in *North American Naidaceæ* (1893) p. 46 but simply as a var. of *pusillus.*

I have for some time as occasion offered, gone through all my British *pusillus* specimens to separate them. I find I have specimens of **panormitams** from the late Mr. Beckwith of Eaton Constantine, from Station II. "Blackmere Mere 1885," and another, only labelled "Salop, 1885. Beckwith."

In the living state it is easily separated from **pusillus,** as the stipules (ligules of Hagström) are connate their whole length, while in **pusillus** they are open; the winter-buds or gemmæ (tusios of Hagström) are more slender, and the growth is different, the leaves being patent, while in **pusillus** they are at an upward angle, and the colour is yellowish-green (rather than the usual green of **pusillus**) in living plants. In Sussex the variety **minor** occurs of a decided yellow-green, with leaves only 0.50 m.m. wide.

The plant was described in *Nouve plante inedite barone Aub. Bivoni Bernardo publicate del Figlio Andrea, Palermo,* 1838.

I have been unable to see the original description, as neither Kew, British Museum, Royal, or Linnean Societies possess it; although Dr. Daydon Jackson, and Mr. Lacaita have helped me in the search.

At present its distribution is Europe, Africa, N. America, and Oceania.

An hybrid with pusillus is described by Hagström, and he gives *Shropshire* 1886, *Beckwith, Herb. Stockholm,* but it is very difficult to separate.

As a sort of intermediate state it is described by Ascherson and Graebner in *Das Pflanzenseich, Heft.* 31 (1907) p. 116 as a sub-species of **pusillus.**

ARTHUR BENNETT.
Sept., 1925.

Acorus calamus, *Linn.*

VIII. This has been recorded as abundant on the banks of the Moon Pool, near Benthall Hall, where I gathered it a few years ago in company with Mr. W. B. Allen. Mr. Potts informed me lately, that it was planted by the late Mr. George Maw, F.R.S., when residing at Benthall, and it now has all the appearance of a genuine native.

***Cynosurus echinatus,** *Linn.*

XI. Near Edgmond. *D. H. Robinson.* I cannot find that this has been recorded previously for Salop; it is as likely as not an introduction.

II. FILICES.

Ceterach officinarum, *billd.*

VIII. Cound, on old walls built of the local stone. *G. M. Furley.*

Polypodium vulgare, *L. varietas.*

X. A variety occurs on Wenlock Edge with all the upper lobes slit into rounded segments. *G. M. Furley.*

III. FUNGI.

As mentioned in the prefatory remarks, the following list of (mostly uncommon) Fungi has been kindly supplied by Mr. Carleton Rea, a past President of the Mycological Society, all found in Shropshire by himself, the Very Rev. Dr. Paul, and Mrs. W. B. Allen.

They are arranged conveniently by him, so that reiteration in the localities may be avoided, in groups together, as they were gathered, and come from

(*a*) Tickwood, nr. Ironbridge.
(*b*) Willey Park.
(*c*) Benthall.
(*d*) Benthall Edge, Broseley.
(*e*) Lutwyche.
(*f* Acton Scott.
(*g*) Horderley.
(*h*) Wyre Forest.

VIII. TICKWOOD.

Coprinus picaceus (*Bull*) *Fries.*
Lepiota cristata (*A. and S.*) *Fr.*
Marasmius Hariolorum (*D.C.*) (*Quél*)
Hygrophorus discoideus (*Pers.*) *Fr.*
Russula drimeia, *Cooke.*
Psathyra spadiceogrisea (*Schaeff*) *Fr.*
Psilocybe coprophila (*Bull*) *Fr.*
Cortinarius brunneus (*Pers*). *Fr.*
Tremella albida (*Huds.*) *Fr.*)
Helvella crispa *Fr.*
Hypomyces torminosus on *Lactarius pubescens, Fr.*

XII. WILLEY PARK.

Hygrophorus unguinosus *Fr.*
Hygrophorus intermedius. *Pass.*
Inocybe fastigiata (*Schaeff*) *Fr.*
Flammula tricholoma (*A. & S.*) *Fr.*
Flammula ochrochlora, *Fr.*
Inocybe Godeyi, *Gillet.*

Russula drimeia var. Queletii, *Cooke* (*Fr.*) *Bataille.*
Tricholoma album (*Schaeff*) *Fr.*
Tricholoma sulphureum (*Bull*) *Fr.*
Tricholoma sordidum (*Schum*) *Fr.*
Entoloma porphyrophaeum, *Fr.*
Pluteus nanus (*Pers.*), *Fr.*
Collybia aquosa (*Bull*), *Fr.*
Collybia cirrhata (*Schum*), *Quél.*
Lactarius aurantiacus (*Fr. Dan.*) *Fr.*
Mycena luteoalba (*Bolt*) *Fr.*
Hebeloma glutinosum (*Lindgr*), *Fr.*
Inocybe fastigiata (*Schaeff*), *Fr.*
Boletus pruinatus
Trametes rubescens (*A. & S.*) *Fr.*
Ganoderma australe (*Fr.*) *Pat.*
Clavaria luteoalba, *Rea.* ?
Hygrophorus russocoriaceus, *Berk.*
Lycoperdon atropurpureum, *Vitt.*
Lenzites variegata *Cost.* and *Duf*

VIII. BENTHALL.

Volvaria speciosa, *Fr.*
Pleurotus ulmarius (*Bull*) *Fr.*
Lepiota acutesquamosa (*Weinm.*) *Fr.*
Tricholoma grammopodium (*Bull*) *Fr.*
?. **Galera ovalis,** *Fr.*
Leptonia incana, *Fr.*
Mycena setosa (*Sow.*) *Fr.* ?
Mycena acicula (*Schaeff*) *Fr.*
Galactinia badia (*Peziza*) *Pers.*
Galactinia succosa (*Peziza*) *Berk.*
Otidea onotica, *Fckl.*
Otidea cochleata, *Fckl.*

VIII., XII. BENTHALL EDGE and ADJOINING FIELDS.

Hygrophorus nitratus (*Pers.*) *Fr.*
Tricholoma panaeolum, *Fr.*
Entoloma jubatum, *Fr.* ?
Polyporus dryadeus (*Pers.*) *Fr.*

X. LUTWYCHE.

?. **Hygrophorus lividoalbus,** *Fr.*
Hygrophorus arbustivus, *Fr.*
Omphhalia striaepilea, *Fr.*
Mycena parabolica, *Fr.*
Lepiota sistrata, *Fr.*
Armillaria mucida (*Schrad.*) *Fr.*
Coprinus lagopus, *Fr.*
Psathyrella crenata (*Lasch*) *Fr.* ?
Androsaceus epiphylloides, *Rea.*
Inocybe flocculosa, *Berk.*
Geaster fimbriatus, *Fr.* In great abundance.
Ganoderma applanatum (*Pers.*) *Pat.*

IX. ACTON SCOTT.

Tricholoma bufonium (*Pers.*), *Fr.*
Tricholoma virgatum, *Fr.*
Tricholoma humile (*Pers.*), *Fr.*
Russula lepida, *Fr.*
Russula xerampelina (*Schaeff*) *Fr.*
Costinarius triumphans, *Fr.*

IX. HORDERLEY.

Mycena lactea (*Pers.*), *Fr.*
Russula graminicolor (*Secr*), *Quél.*
Russula atropurpurea, *Kromb.*
Russula incarnata, *Quél.*
Cortinarius acutus (*Pers.*), *Fr.*
Cortinarius variicolor, *var.* **nemorensis,** *Fr.*
Hydnum zonatum (*Batsch*), *Fr.*
Phylacteria clavularis (*Fr.*) 2. Mycena

XII. WYRE FOREST, BIRCHEN VALLETS.

Tricholoma equestre (*L.*) *Fr.* *Mrs. M. Joyce Allen.* First record for the Forest. **Tricholoma guttatum** (*Schaeff*), *Rea. Mrs. M. J. Allen.* These specimens exactly agreed with Mr. Howse's painting, reproduced in Cooke's Illustrations of British Fungi No. 76, t. 59, but the description of *Fries,* who seems to have seen only dried specimens, is incorrect and requires emendition and I propose to redescribe this species in a future paper. *Carleton Rea.*

ZOOLOGY.

Among the more notable occurrences in 1925 are the records of a Swift wintering at Aberdovey, and a Bittern seen and heard booming on the Weald Moors as late as mid-April; whilst a party of ten Pochards paid a brief visit to Betton Pool in June. A Turtle Dove reared in a nest near Shrewsbury instead of migrating in autumn has spent the winter here and comes daily to food put out for the wild birds. Two pairs of Pied Flycatchers nested at Stretton, and the Buzzard and Hen Harrier again nested in Shropshire, though, unfortunately, several were shot. Among the rarer visitors to Shropshire were two Gadwalls at Bridgnorth, Hoopoe in the same district, two immature Gannets near Shrewsbury. Black Tern at Dowles, and Green Sandpiper near Bridgnorth. A White Wagtail paired with a Pied one and reared a brood at Bridgnorth.

From North Wales come records of several Black Redstarts at Aberdovey in the early and late months of the year. The Little Owl has extended its range westwards to Aberdovey and northwards to Abergele. Pochards and Tufted Ducks were seen with young broods in Anglesey: a White-billed Northern Diver off the Harlech coast in January; nine Pomatorhine Skuas at Criccieth after a gale on May 31; and two Garganeys in west Anglesey at the end of July.

Among Mammals there are records of the Whiskered Bat at Dowles and Llandudno, and another of the curious erythristic varieties of the Polecat near Aberystwyth.

White varieties of the Snipe, Wood Pigeon, and Chaffinch were obtained.

H. E. FORREST.

MAMMALS.

Myotis mystacinus (Whiskered Bat). *Elliott.* Nov. 8. Taken from behind cottage shutter, Dowles. *Hutchinson.* Aug. Caught in house, Llandudno, and released.

Nyctalus noctula (Noctule). *Forrest.* Apl. 29, two brought to me alive, caught in hollow tree, Bayston Hill. *Morris,* May 17, flying Church Stretton.

Neomys fodiens (Water Shrew). *Furley.* Aug. Male on Berwyns above Glyn Ceiriog, elevation 1000 feet; not near water. *Hutchinson.* Two caught by cat Llandudno.

Sorex minutus (Lesser Shrew). *Oldham.* July 26. One dead in road. Valley, Anglesey. *Hutchinson.* At Llandudno cat caught twice as many Lesser as she did Common Shrews.

Halichoerus grypus (Grey Seal). *Furley.* Aug.-Sept. Pair off Afonwen for several weeks. *Bible.* Oct. 25. Immature one shot on beach at Borth—in white "puppy-coat": described in the newspapers as "a snow-white seal."

Mustela erminea (Stoat). *Bible.* Jan. One in ermine coat, Aberystwyth.

M. putorius (Polecat). *Bible.* Jan. One of the erythristic form obtained near Aberystwyth.

BIRDS.

Turdus viscivorus (Mistle Thrush). *Thomas.* Feb. 27, building; Mar. 14, first egg, Abergele.

T. philomelus (Song Thrush). *Thomas.* Feb. 28, building; first egg Mar. 18, Abergele. *Forrest.* Albino obtained Ford years ago presented to Museum by Mrs. Barrett. *Salter.* Dec. 1, a number of immigrants Aberystwyth.

T. musicus (Redwing). *Thomas.* Few Abergele 1924-5. *Elliott.* Nov. 1, fifty, Dowles. *Salter.* Aberystwyth, few 1924-5, last seen March 7. A few arrived Oct. 15; very numerous Nov. Dec. *Hutchinson.* Many times usual numbers, Llandudno.

T. pilaris (Fieldfare). *Forrest.* Oct. 11. Betton—a few feeding on haws. *Thomas.* Few Abergele 1924-5. *Elliott.* Oct. 27, Dowles. *Salter.* Aberystwyth, arrived Oct. 27; exceptionally numerous Nov. Dec. Also at Llandudno, *Hutchinson.*

T. merula (Blackbird). *Miss Blunt.* Feb. 11th. Fresh egg found on ground, Meole. *Harries.* April 3, one with white crown to head, Nesscliffe. *Potts.* June 12, one mottled white, Broseley.

T. torquatus (Ring Ouzel). *Salter.* Apl. 11-13, many Rhayader. *B. Blower.* Unusually plentiful on Longmynd.

Oenanthe oenanthe (Wheatear). *Thomas.* Mar. 27, one Abergele. *Forrest.* About same date reported Aberystwyth and Betton. *Bayley.* 31st, Longmynd—full numbers Apl. 8th. *Hutchinson.* Oct. 9-16th, solitary one Little Orme; greatly diminished Llandudno.

Saxicola rubetra (Whinchat). *Elliott.* Apl. 24, Dowles. *Salter.* May 7, Aberystwyth.

S. torquata (Stonechat). *Thomas.* Spent winter Abergele; no increase in Spring. *Elliott.* Mar 3—Sept. 21, Dowles. *Salter.* Aberystwyth, some remained in pairs winter.

Phoenicurus phoenicurus (Redstart). *Furley.* May 1, Llangollen. *Elliott.* Apl. 25, Dowles.

P. ochrurus (Black Redstart). *Bible* and *Hughes.* Dec. 20, 1924, to March 1, 1925. An immature bird, Aberdovey. In December 1925, there were two—a female and young male, and on 14 Jan. 1926 an adult male 2 miles off.

Luscinia megarhyncha (Nightingale). *Gepp.* May 1, Pulley. *Potts.* 2nd, Broseley—reported Apl. 19th. *Forrest.* At least six pairs Shrewsbury district.

Sylvia communis (White-throat). *Forrest.* Apl. 30, Meole. *Salter.* 29th, Aberystwyth. *Elliott.* 28th—Aug. 2, Dowles. *Lang.* May 7, Ludlow.

S. atricapilla (Blackcap). *Thomas.* Apl. 23, Abergele. *Jackson.* Jan. 20, female, Aberdovey—second occurrence in winter in North Wales. *Salter.* Apl. 29, Aberystwyth. *Elliott.* 20th, Dowles. *Potts.* May 6, Broseley.

S. borin (Garden Warbler). *Potts.* May 2, Broseley. *Elliott.* 8th, Dowles. *Lang.* Ludlow, and *Salter,* Aberystwyth.

Phylloscopus collybita (Chiffchaff). *Forrest.* March 14, one seen by Cartwright, Betton. *Furley.* Llangollen, singing till Sept. 20th. *Thomas.* Apl. 5th, one Abergele. *Chitty.* 7th, pair Yockelton; also *Potts* and *Salter,* Broseley and Aberystwyth. *Elliott.* 2nd, Dowles. *Lang.* 10th. Ludlow,

P. trochilus (Willow Wren). *Furley.* Llangollen, singing till second week in August. *Thomas.* Apl. 9, few; many 17th, Abergele. *Potts* and *Salter.* 10th, Broseley and Rhayader. *Forrest.* 23rd, Bayston Hill—full numbers May 5th. *Furley.* Apl. 17, Llangollen. *Elliott.* 9th, Dowles. *Lang.* 10th, Ludlow.

P. sibilatrix (Wood Wren). *E. H. Potts.* May 2nd, Clunton, and Dowles (*Elliott*). *Potts,* 3rd, Broseley. *Salter.* 4th, Aberystwyth. *Lang.* Apl. 25, Ludlow.

Acrocephalus schoenobaenus (Sedge Warbler). *Thomas.* Great increase Abergele. *Salter.* May 1, Aberystwyth.

Locustella naevia (Grasshopper Warbler). *Thomas.* Two pairs nested Abergele; new record for district. *Lang.* June 7, five heard at night, Ludlow. *Salter.* July 8, one or two Aberystwyth.

Cinclus cinclus (Dipper). *Oldham.* July 25. One on R. Cefni, Llangefni, Anglesey; scarce in that county.

Ægithalus caudatus (Long-tailed Tit). *Forrest.* Oct. 11. Family party by Betton Pool. Cartwright reports 4 nests in vicinity. *Salter.* Apl. 14, nest and eggs, Aberystwyth.

Sitta europaea (Nuthatch). *Salter.* Apl. 10, numerous, Rhayader.

Troglodytes troglodytes (Wren). *Salter.* June 23, on Carnedd Dafydd, 2,800 feet.

Motacilla flava (Yellow Wagtail). *Thomas.* Pair nested Abergele; new record. *Elliott.* 28 Apl. Dowles. *Salter.* May 5, Aberystwyth; seldom noted except Borth bog.

M. alba (White Wagtail). *Furley.* Last week of August and early September, large numbers on shore west of Criccieth, mostly Pied, but a good many White Wagtails. *Pitt.* Female paired with Pied Wagtail, and nested Bridgnorth.

M. lugubris (Pied Wagtail). *H. Hughes.* Feb. 28, assemblage of about 200 on Kingsland, Shrewsbury, evening. *Salter.* Sept. 12—Oct. 26, Southward movement, Aberystwyth; few remained till Nov. 20.

M. melanope (Grey Wagtail). *Thomas.* July 17, nest 4 eggs slightly incubated, Abergele.

Anthus trivialis (Tree Pipit). *Salter.* Apl. 25, Aberystwyth. *Furley.* May 1, Llangollen. *Elliott.* Apl. 17, Dowles. *Potts.* May 3, Broseley.

Lanius collurio (Red-backed Shrike). *Elliott.* May 21, Dowles. *Lang.* July 19, pair with young, Ludlow. *Salter.* May 25, several Rhayader.

Muscicapa striata (Spotted Flycatcher). *Thomas.* July 16, nest 4 eggs robbed ; bird built new nest and laid egg by 21st. *Elliott.* May 10, Dowles.

M. atricapilla (Pied Flycatcher). *Thomas.* May 8, Abergele : one pair nested. *Furley.* 4th males, 8th females, Llangollen. *Whittaker.* 6th, returned to nesting box, Church Stretton. *Salter.* 5th, Aberystwyth. *Harding.* In 1924 pair nested in cocoa-nut shell in his garden, Church Stretton.

Hirundo rustica (Swallow). *Thomas.* Apl. 17, Abergele. *Fulcher.* 7th, two passing Atcham : seen also Longnor by *Major Trevor Corbett. Miss Ruth Jackson* 11th, Kingsland. *Salter* and *Professor White,* 18th, Aberystwyth and Bayston Hill. *Bowcock* and *Forrest.* 20th, Wem and Middletown ; *Bayley* also Clee district. *Furley.* 22nd passing Llangollen. *Elliott.* 18th, Dowles ; 100 on 20th. *Lang.* 20th, two Ludlow. *Salter.* Aberystwyth ; left early ; most gone by Oct. 2.

Delichon urbica (House Martin). *Blunt.* Oct. 11 and 20. Seen passing Meole. *Thomas.* Much increased Abergele : last seen Sept. 28. *Potts.* Apl. 15, Coalport. *Salter.* 25th, Aberystwyth. *Forrest.* May 4, Shrewsbury. *Furley.* Apl. 22, passing Llangollen. *Elliott.* 20th, Dowles. *Lang.* 25th, Ludlow.

Riparia riparia (Sand Martin). *Salter.* Apl. 12, Aberystwyth. *Elliott.* 20th, Dowles.

Carduelis carduelis (Goldfinch). *Forrest.* Much increased. *Bible.* Jan. 1926, flock of 23 Aberdovey. *Salter.* Aberystwyth ; decidedly increased—flocks up to 30. *Hutchinson.* Small parties autumn, Llandudno.

C. spinus (Siskin). *Elliott.* Nov. 15, fair number, Dowles.

C. flavirostris (Twite). *Hutchinson.* Male seen several times during breeding season, Little Orme, Llandudno.

Fringilla caelebs (Chaffinch). *Powell.* Dec. 24, one with most of plumage white found dead, Munslow.

Passer montana (Tree Sparrow). *Furley.* April, observed at Harnage.

P. domesticus (House Sparrow). *Lang.* Feb. White one, Ludlow.

Coccothraustes coccothraustes (Hawfinch). *Thomas.* Two nests Abergele.

Emberiza cirlus (Cirl Bunting). *Thomas.* June. Nest 3 fresh eggs by roadside, Abergele. *Hutchinson.* Several seen Bodafon, Llandudno, during summer.

E. schoeniclus (Reed Bunting). *Thomas.* Spend winter Abergele: no increase in Spring. July 2, three fresh eggs.

E. calandra (Corn Bunting). *Thomas.* June 8, nest begun; 4 eggs by 16th, Abergele. *Salter.* Much decreased, Aberytswyth.

Sturnus vulgaris (Starling). *Salter.* Aberystwyth; only few pairs breed. Immense flocks arrived end of Sept. to spend winter.

Corvus corax (Raven). *Thomas.* May 14, feeding young, Llandulas, on same ledge as 1924. *Salter.* March 4, four eggs in nest, Aberystwyth, known for 30 years. *Hutchinson.* Reared brood Little Orme's Head.

C. frugilegus (Rook). *Forrest.* March 6, repairing nest, Shrewsbury. *Elliott.* March 5, one flecked with white all over, Dowles.

Apus apus (Swift). *Gepp.* Apl. 30, several Coton Hill. *Bather.* May 1, two Meole, and one Broseley (*Potts*) and Clunton 2nd, *Forrest*, 5th, Bayston Hill—great increase 6th. *Elliott.* 5th, Dowles. *Hughes* and *Bible.* Feb. 24 to March 11, one Aberdovey, seen repeatedly—perhaps wintered there. *Forrest.* Bulk left Aug. 6th, but reported at Meole 14th and Oswestry 16th. *Lang.* Apl. 25, Ludlow. *Salter.* Apl. 27—Aug. 16, Aberystwyth.

Caprimulgus europoeus (Nightjar). *Elliott.* May 12, Dowles. *Lang.* June 7, four at night, Ludlow. *Salter.* Reported May 7, Aberystwyth.

Upupa epops (Hoopoe). *Pitt.* Early October, one shot near Bridgnorth, apparently immature.

Dendrocopus major (Greater Spotted Woodpecker). *Pitt.* now quite common, Bridgnorth. *Salter.* May 1, jarring Aberystwyth.

D. minor (Lesser Spotted Woodpecker). *Oldham.* Apl. 14. One Coed Coch, nr. Colwyn. *Huxley.* Increasing Shrewsbury district.

Picus viridis (Green Woodpecker). *Potts.* The male of a pair which nested near Broseley was a clear gold colour instead of green.

Iynx torquilla (Wryneck). *Elliott.* Apl. 22, Dowles.

Cuculus canorus (Cuckoo). *Thomas.* Apl. 8, Abergele; scarce—early date. *Potts.* 17th, Broseley. *Forrest* and *Fulcher.* 19th, Bomere and Berrington; 20th, Middletown and Aberystwyth. (*Salter*). *Mrs. A. B. Morris.* May 1., Church Stretton. *Gepp.* Pulley, 2nd. *Bayley*, Apl. 20, Clee. *Furley.* 30th, Llangollen. *Elliott.* 20th, Dowles. *Auden.* May, heard calling before dawn, same time with owls, Church Stretton. *Corbet.* At Longnor one young Cuckoo reared by Hedge Sparrow, another fed by pair of House Sparrows. *Lang.* Apl. 20, Ludlow. *Hutchinson.* Only one seen Llandudno.

Bubo bubo (Eagle Owl). *Forrest.* Specimen obtained Onslow 1887, presented to Museum by Mrs. Barrett.

Asio otus (Long-eared Owl). *Thomas.* Apl. 9, nest 3 fresh eggs in ivied tree, Abergele.

Strix aluco (Tawny Owl). *Forrest.* May. Nest on top of haystack at Middletown, two young reared. *Woodhouse.* Very numerous, Ludlow, and Aberystwyth, *Salter.*

Athene noctua (Little Owl). *Thomas.* Several Abergele district. *Woodhouse.* Oct. Five on keeper's gibbet, Ludlow. *Elliott.* Dec. 14 and 21, Dowles, calling freely. *Bible.* Jan. 1926, one seen Aberdovey. *Salter.* Jan. 8, Aberystwyth; a pair found by E. Wilfred Taylor nesting in empty house, Rhayader.

Circus cyaneus (Hen Harrier). *Dr. J. H. Lamb.* Aug. 16, Female watched in same part of S. Shropshire where brood was reared 1923. See *Bare Facts* that year. *Huxley.* Oct. 1, female shot Churchstoke.

Buteo buteo (Buzzard). *Woodhouse.* Nov. Male shot near Ludlow. Pair nested in district this year. *Huxley.* Oct. Female shot near Bishop's Castle. *Pitt.* Oct. Two immature shot near Bridgnorth.

Sula bassana (Gannet). *Forrest.* Oct. 25. Two immature fighting in the air fell to ground, Weeping Cross, Shrewsbury, and were captured alive: released on 27th; one flew away, but other injured wing, unable to fly, went away half flying, half running: recaptured in Cheshire 40 miles N. on 28th.

Botaurus stellaris (Bittern). *Rankin.* Up till mid-April one both seen and heard booming while flying, Crudgington. *Huxley.* December, one in W. Anglesey decapitated and both legs broken by collision with telegraph wires.

Anser . . . sp ? (Wild Goose). *Pitt.* Oct. 13, about 35 went over Bridgnorth about 3-30 p.m., going W.; wind N.E., cold. *Thomas.* Nov.—Dec., flock about 60 on marshy fields, Abergele.

Tadorna tadorna (Sheld Duck). *Forrest.* March 23. Pair seen by Cartwright, Betton Pool.

Anas querquedula (Garganey). *Oldham.* Two, if not three, on Llyn Penrhyn, Anglesey, July 26th, 29th and Aug. 2nd. Rather rare in N. Wales.

A. strepera (Gadwall). *Pitt.* Oct. 14. Two came down to ponds at the Albynes, Bridgnorth, at 3 p.m., but left at once: wind N.E., cold.

Spatula clypeata (Shoveler). *A. E. Priddle.* in *British Birds.* Aug. 7, young shot Conway estuary.

Nyroca ferina (Pochard). *Forrest.* Cartwright reports a party of ten settled on Betton Pool, apparently all adult males with red heads. Exact date lost, but it was end of June or early July; he had never before seen any there in summer. *Oldham.* July 27. Female with 2 young, Llyn Maelog: 28th, a second one Llyn Coron.

N. fuligula (Tufted Duck). *Oldham.* July 28th. Three or four with the Pochard on Llyn Coron. July 25, Female with well-grown brood on pool in the Gars Goch, nr. Llanhedr Goch. *Thomas.* Dec. 2, a few Criccieth.

Mergus serrator (Red-breasted Merganser). *Thomas.* Jan. 6, 1926, female shot on R. Conway, from small party.

Phasianus colchicus (Pheasant). *Potts.* June. Brood containing 5 or 6 white ones, nr. Broseley.

Streptopelia turtur (Turtle Dove). *Hutchinson.* Nests Llandudno; increasing. *Potts.* May 9, one Broseley; 13th, several. *Elliott.* May 12—Aug. 2, Dowles. *Forrest.* One of a pair reared in nest at Mrs. Steavenson's house, Bicton Heath, Shrewsbury, did not migrate in autumn, but stayed the winter, feeding daily with tame pigeons.

Columba palumbus (Wood Pigeon). *Woodhouse.* Oct.-Nov. Very large flocks round Ludlow. *Huxley.* March and April, two pure white shot Bryn Tanat, Llansantffraid; first was presented to British Museum. *Pitt.* Oct. 14 several flocks, Bridgnorth, going S.W. down Severn. *Salter.* Many immigrant flocks on turnip fields, Aberystwyth in frosty weather, Nov.-Dec.

Crex crex (Corncrake). *Forrest.* March 29. One seen and heard by Cartwright, Betton. More numerous this season. *Fulcher.* Apl. 23, Berrington. *E. H. Potts.* May 3, Clunton. *Forrest.* 10th, Bayston Hill. *Salter.* 5th, Aberystwyth. *Potts.* 11th, Wenlock. *Elliott.* 5th, Dowles. *Lang.* 16th, Ludlow. *Salter.* 5th, Aberystwyth.

Charadrius apricarius (Golden Plover). *Thomas.* Aug. 30, '24, to Feb. 18, '25. Flocks at Abergele. *Hutchinson.* During frost, Nov.-Dec. immense numbers on low-lying fields Llandudno.

Vanellus vanellus (Peewit). *Salter.* Aberystwyth. Much decreased as breeding species. From Nov. 16th through the frosty weather great immigration from inland to coast.

Arenaria interpres (Turnstone). *Furley.* Aug.-Sept. Many on shore, Criccieth in parties of 4 to 8 birds; not shy.

Hoematopus ostralegus (Oyster-catcher). *Forrest.* Oct. 9. One seen by Cartwright, Betton Pool; did not stay.

Scolopax rusticola (Woodcock). *R. F. Ayres.* March 25, nest 3 eggs, Belswardyne.

Gallinago gallinago (Snipe). *Bible.* Sept. 12, white one shot Aberdovey. *Salter.* Aberystwyth. Dec. 3, great immigration to coast: next day seen by every roadside drain or unfrozen spring; a few Woodcock came with them.

Erolia ferruginea (Curlew Sandpiper). *Furley.* Aug. One on Mawddach Estuary, Barmouth.

Tringa hypoleuca (Sandpiper). *Forrest.* Oct. 11. Flushed one by Betton Pool; late date. *Salter.* Apl. 19, Aberystwyth. *Furley.* 15th, Llangollen. *Elliott.* 18th, five together, Dowles. *Lang.* 20th, Ludlow.

T. ochropus (Green Sandpiper). *Furley.* One frequented the lower reaches of Cound Brook throughout winter till April. *Huxley.* Sept. 22, one shot Belswardyne, in same district. *Pitt.* Oct. One shot nr. Bridgnorth. *Lang.* Apl. 21, one Ludlow.

Sterna hirundo (Common Tern). *Bible.* Sept. 24, one Aberdovey—late date.

Hydrochelidon nigra (Black Tern). *Elliott.* Sept. 21 and 27, one over Severn, Dowles.

Larus ridibundus (Black-headed Gull). *Forrest.* March 20. Three seen by Cartwright, Betton, going N. May 19, about ten over Severn above English Bridge. Nov. 15, small flock flying over Bayston Hill in direction of Bomere and Betton Pools; fifth day of frost. *Salter.* Began to nest on Teifi Bog, nr. Tregaron, a few years ago, and is increasing.

L. fuscus (Lesser Black-backed Gull). *Oldham.* Apl. 14, 6 to 6-35 p.m. Parties of 1, 2, and 3 and two parties of 5 passing by Penmaenrhos Head, near Colwyn, going west: apparently a migratory movement. *Salter.* Aberystwyth. Entirely absent winter, return in March.

L. argentatus (Herring Gull). *Forrest.* March 19. Six seen by Cartwright, Betton, going N. I saw single birds on three occasions in latter half of March passing N.W. over Bayston Hill.

Stercorarius pomarinus (Pomatorhine Skua). *R. M. Garnett in British Birds.* May 31, nine close in shore at Criccieth, after gales.

Colymbus adamsii (White-billed Northern Diver). *Furley.* Jan. 14, one watched off coast Harlech which, from the white up-tilted bill appeared to be of this species.

Fratercula arctica (Puffin). *Oldham.* July. Have increased at South Stack of late years.

Podiceps cristatus (Great Crested Grebe). *Forrest.* Brood of 3 reared Betton Pool; hatched beginning of August; Cartwright thinks there was an earlier nest which failed, and that this was a second attempt.

ENTOMOLOGY.

LEPIDOPTERA.—The list of Lepidoptera for 1925 has, with one exception, very little of interest. Speaking generally, there were comparatively few specimens, even of the commoner varieties. Of the earlier varieties, it was generally considered that they were very late. Several species, *e.g.* Hastata, Sylvata, Blomeri were not to be found on the Wrekin at the usual times and excursions to the Breidden, Pontesbury and Haughmond were comparatively barren.

Mr. Potts, as usual, has sent a list of specimens noticed in the Benthall district. One specimen is worthy of special mention, a curious variety of Euclidia mi. (Mother Shipton), a description of which is kindly given by Mr. Melvill.

The usual markings hardly occurring, owing to much greater extension of the white ground than usual. It more resembles an extreme variety, called **Extrema** (*Haas*), native of Amurland and Central Asia, where the usual Mother Shipton "face" presentment is greatly reduced. The conspicuous* orbicular stigma, however, very plainly given, the hind wings are much whiter than usual. The specimen was caught in the afternoon in early June, flying in a grass field near Benthall Hall. It looked unusual when in flight, owing to its colour, or want of colour.

* c.f. Leilz Vol. I. Part III. Noctuae, p. 343, figs. Plate LXII. h.i.

COLEOPTERA.—Mr. A. J. Barnes has sent a further list of 61 species, which brings the total recorded from Shropshire to 1007. His report is appended with the list.

DIPTERA.—Mr. Pugh has sent a further list of 101 species which have been taken in Shropshire. Two specimens, of special interest are included in the list, viz.: **Atherix Ibis,** taken by Mr. Cecil Henstock and identified by Mr. Melvill, and **Urophora solstitialis,** a handsome bar-winged fly sent by Mr. G. Potts.

Mr. Pugh records his thanks to Mr. C. A. Cheetham of Leeds for confirming and naming many of the Tipulidae.

We are greatly indebted to Mr. Barnes and Mr. Pugh for their lists.

LEPIDOPTERA.

The following specimens (except where stated) were taken or noted at Benthall by Mr. G. Potts.

April	8.	**V. Urticae** (Small tortoiseshell). Still below the usual number in 1925.
,,	11.	**V. Io** (Peacock). Common in end of Summer.
May	15.	**T. Gothica** (Hebrew Character), freshly emerged, very late.
,,	17.	**L. suffumata** (Water Carpet).
,,	18.	**E. Apiciaria** (Bordered Beauty).
June	1.	**E. Cardamines** (Orange Tip). Female, (near Wilderhope). Scarce in 1925.
,,	6.	**M. Hastata** (several). Benthall Edge.
,,	7.	**Euclidia mi.** (Mother Shipton variety).
,,	11.	**H. Sylvanus** (Large Skipper). Abundant.
,,	13.	**H. Jacobœae** (Cinnabar). Shirlet.
July	5.	,, Larvae, swarming at Tickwood on Ragwort.

June 30. **Aphonia Colonella.**
July 11. **A. Adippe** (High Brown Fritillary). Wyke.
,, 12. **H. Linea** (Small Skipper).
,, 19. **T. W. Album** (White Letter Hairstreak). Benthall Edge and Tickwood.
,, 19. **V. C. Album** (Wyke; also Aug. 8. nr. Chatwall, and Oct. 8, Benthall.)
,, 27. **H. Hectus** (Gold Swift).
Aug. 8. **C. Phlaeas** (Small Copper). Common near Enchmarsh.
,, 8. **P. Megaera** (Wall Brown). nr. Enchmarsh.
Oct. **V. Atalanta** (Red Admiral). Fairly common.

Collected by Major W. J. Pendlebury, F.E.S.

Bomere, June 6.
E. Hastata (Argent and Sable).
L. Marginata (Clouded Border).
Whixall Moss, June 12.
Bombyx Quercus (Oak Egger).
C. Davus, *var. Rothliebii* (Large Heath).
A. Myrtilli (Beautiful Yellow Underwing).
Haughmond, June 13.
S. Liturata (Tawny barred Angle).
B. Piniaria (Bordered White).
Wrekin, June 28.
P. Alchemillata (Small Rivulet).
Shrewsbury, July 15.
E. Prosapiaria (Barred Red).

COLEOPTERA.

The attached list includes 61 not previously recorded from Shropshire, and brings the total for the County to 1,007 species.

Mr. G. Potts has again done splendid work, and 34 of the new records come from the Benthall district.

The examination of flood refuse at Shrewsbury, during Jan. and Feb., brought to light a large number of species including 18 new.

Our thanks are again due to Mr. J. R. le B. Tomlin, M.A., F.E.S., for kindly naming the more difficult species.

Abbreviations :—(*A*)—Recorded by G. H. Ashe, M.A.
(*B*)—Recorded by A. J. Barnes.
(*C*)—Recorded by H. B. Coney.
(*Pts*)—Recorded by G. Potts.

All the following are new records for Shropshire, unless marked with asterisk (*)

Leistus ferrugineus, L.	Benthall, June	(*Pts.*)
Bradycellus Sharpi, Joy. (**distinctus,** *Dj.*)	Whitwell, July	(*C.* and *Pts.*)
do. **verbasci, Duft.**	Shrewsbury flood refuse, Jan.	(*B.*)
do. **harpalinus, Dj.**	do. do. do.	(*B.*)
Harpalus brevicollis, Dej.	Benthall, June	(*Pts.*)
Amara consularis, Duft.	Wenlock Edge. Aug.	(*Pts.*)
Calathus cisteloides, Pz.	Benthall, Nov.	(*Pts.*)
Anchomenus marginatus, L.	Benthall, August.	(*Pts.*)
do. **ericeti, Pz.**	Whixall Moss, June.	(*B.*)
Bembidium gilvipes, Stm.	Shrewsbury flood refuse, Feb.	(*B.*)

Ilybius fenestratus, F.	Benthall, June (*Pts.*)
Colymbetes, fuscus, L.	Benthall, June. (*Pts.*)
Philydrus nigricans, Zett.	Whixall Moss, June (*B.*)
Cercyon melanocephalus, L.	Shrewsbury flood refuse, Jan. (*B.*)
do. pygmaeus, Ill.	Shrewsbury flood refuse, Feb. (*B.*)
Microglossa pulla, Gyll.	Whitwell, in tit's nest, July. (*C.* and *Pts.*)
Oxypoda formiceticola, Mark.	Shirlet, in nest of ant Formica rufa, April. (*Pts.*, *B.*)
Thiasophila angulata, Er.	in nest of ant Formica rufa. Shirlet. April (*Pts.* and *B.*)
Nototheca flavipes, Gr.	do. do. do. (*Pts.* and *B*)
do. anceps, Er.	do. do. do. (*Pts.* and *B.*)
Homalota angustula, Gyll.	Shrewsbury flood refuse Jan. (*B.*)
Tachyusa atra, Gr.	Shrewsbury flood refuse, Feb. (*B.*)
Leptusa fumida, Er.	Benthall, in duck's nest, Apl. (*Pts.*)
Conosoma littoreum, L.	Benthall, June (*Pts.*)
Conosoma pubescens, Gr.	Benthall, Sept. (*Pts.*)
Tachyporus brunneus, F.	Shrewsbury flood refuse, Feb. (*B.*)
***Queduis cruentus, Ol.**	Benthall, June. Only the var. virens has been previously recorded. (*Pts.*)
Philonthus decorus, Gr.	Benthall, August. (*Pts.*)
Philonthus (Gabrius) pennatus, Shp.	Shrewsbury flood refuse, Jan. (*B.*)
Leptacinus formicetorum, Mark.	Shirlet, in nest of ant F. rufa. April (*Pts.*)
Lathrobium germinum, F.	Shrewsbury flood refuse, Jan. (*B.*)
Lathrobium quadratum, Pk.	Benthall, in moss at side of Moon Pool, June (*Pts.*)
Stenus ossium, Steph.	Shrewsbury flood refuse, Jan. (*B.*)
Stenus picipes, Steph.	Shrewsbury flood refuse, Feb. (*B.*)
Platystethus arenarius, Fourc.	Shrewsbury flood refuse, Jan. (*B.*)
Platystethus cornutus, Gr.	Benthall, July. (*Pts.*)
Clambus armadillo, De G.	Shrewsbury flood refuse, Jan. (*B.*)
Agathidium varians, Beck.	Benthall, Aug. (*Pts.*)
Choleva velox, Spence	Benthall Edge dead leaves, Dec. (*Pts.* and *B.*)
Choleva, morio, F.	Shrewsbury flood refuse, Feb. (*B.*)
Colon brunneum, Lat.	Benthall, July (*Pts.*)
Cephennium thoracicum, Mull.	Wyre Forest, June (*A.*)
Plenidium nitidum, Heer.	Shirlet, in nest of ant F. rufa. April. (*Pts.* and *B.*)
Adalia obliterata, L.	Benthall Edge, June (*Pts.* and *B.*)
Onthophilus striatus, F.	Shrewsbury flood refuse, Jan. (*B.*)
Cychramus luteus, F.	Benthall Edge, July. (*Pts.* and *B.*)
Telmatophilus caricis, Ol.	Willey, June. (*Pts.*)
Paramecosoma melanocephalum, Hbst.	Shrewsbury flood refuse, Feb. (*B.*)
Atomaria mesomelas, Hbst.	Benthall in duck's nest, May (*Pts.*)
Hoplia philanthus, Fuss.	Wenlock Edge, June. (*Pts.*)
Cetonia aurata, L.	Ironbridge by Mr. G. Coney (*Pts.*)
Elater balteatus, L.	Whixall Moss, June (*B.*)
Eubria palustris, Germ.	Wyre Forest, June (*A.*)
Ancistronycha abdominalis, F.	Wyre Forrest, by Mr. Tottenham. June. (*A.*)
Cryptocephalus moraei, L.	Wyre Forest, June. (*A.*)

Longitarsus femoralis, Marsh.	Wenlock Edge, June.	(*Pts.*)
Longitarsus jacobaeae, Wat.	Tickwood, August.	(*Pts.* and *B.*)
Rhinosimus ruficollis, L.	Benthall, August.	(*Pts.*)
Rhinosimus viridipennis, Steph.	Benthall, June.	(*Pts.*)
Macrocephalus albinus, L.	Wyre Forest, June.	(*A.*)
Erirhinus acridulus, L.	Shrewsbury flood refuse, Jan.	(*B.*)
Balaninus venosus, Grav.	Haughmond, May	(*B.*)

DIPTERA.

Further list of Diptera taken in Shropshire, not included in Mr. J. C. Melvill's preliminary List) (E.M.M., Nov. 1920.)

Unless otherwise stated all taken at or near Oswestry, by C. H. W. Pugh. Those taken at Whixall Moss were nearly all taken in company with Mr. A. J. Barnes.

SIMULIDAE.

Simulium ornatum (Mg.) March-April. Common.
S. latipes (Mg.) March-April. Common.

CHIRONOMIDAE.

Chironomus plumosus (L.) (Whixall Moss), 1 June. Common. (including one curious "hermaphrodite" now in the British Museum.

DIXIDAE.

Dixa nebulosa (Mg.) March. Fairly common.

PTYCHOPTERIDAE.

Ptychoptera lacustris (Mg.) May. Occasionally.
P. albimana (F.) May-June. Common.
P. paludosa (Mg.) 1 June. One m. (Whixall.)

LIMNOBIDAE.

Limnobia nubeculosa (Mg.) May–October. Common.
L. nitida (Verr.) May. One f.
L. tripunctata (F.) May–June. Common.
L. nigropunctata (Schum.) 7 June. Common (Llanymynech Hill)
L. flavipes (F.) 10 May. One m.
Dicranomyia dumetorum (Mg.) 24 Aug. One f.
D. chorea (Mg.) April–October. Very common
D. lutea (Mg.) July. Occasionally.
D. morio (F.) April–June. Common.
D. modesta (Mg.) July. Common.
D. mitis (Mg.) May. Two m.
Rhipidia maculata (Mg.) May–September. Common.
Empeda nubila (Schum.) April–October. Common.
Rhypholophus nodulosus (Mcq.) April–May. Common.
R. lineatus (Mg.) 17 May. One m.
R. varius (Mg.) 5 October. One m.
Erioptera flavescens (Mg.) June. One f.
Symplecta stictica (Mg.) 31 Aug. One f.
Trimicra pilipes (F.) 1 June. One f. (Whixall).
Limnophila lineola (Mg.) August–September. Common.

L. lineolella (Verr.) June–August. Common.
L. Meigenii (Verr.) 1 June. (Whixall). Common.
L. ochracea (Mg.) June. Common. Bred from rotten chestnut stump.
L. ferruginea (Mg.) 1 June (Whixall). Common.
L. bicolor (Mg.) May. Two m. and f.
Dicranota bimaculata (Schum.) 5 May. One m.
Amalopis immaculata (Mg.) May. Fairly common.
A. unicolor (Schum.) June–July. Common.

TIPULIDAE.

Pachyrrhina quadrifaria (Mg.) July. Common.
P. histrio (F.) May–June. Common.
P. maculosa (Mg.) May. One pair.
Tipula pagana (Mg.) October. Common.
T. staegeri (Nielsen). October. Local. Bred from larvae collected from under moss on stones.
T. variipennis (Mg.) May–June. Common. (Llanymynceh Hill).
T. vernalis (Mg.) April–June. Common.
T. vittata (Mg.) 16 May. Two f. (Lawnt.)
T. lutescens (F.) May–September. Fairly common.
T. ochracea (Mg.) May–September. Common.
T. selene (Mg.) May. (Benthall). two m. Bred from larvae collected by Mr. A. J. Barnes.
T. irrorata (Mcq.) May (Benthall). do. do. do.
T. subnodicornis (Ztt.) May–July. Common on moorlands.
T. variicornis (Schum.) 1 June. (Whixall). Common.
T. luna (West.) 1 June (Whixall). Common.

TABANIDAE.

Chrysops relicta (Mg.) July (Whixall). Common.

ASILIDAE.

Machimus atricapillus (Fln.) 12 September. One f (Lawnt.)

LEPTIDAE.

Atherix Ibis. July. One (*Henstock and Melvill*).

EMPIDAE.

Rhamphomyia flava (Fln.) 13 July. One f.
R. variabilis (Fln.) 12 September. Two m. (Lawnt.)
R. plumipes (Fln.) 1 June. one pair (Whixall).
Empis punctata (Mg.) April–August. Common.
Tachypeza nubila (Mg.) 24 May. Several on tree trunks.

DOLICHOPODIDAE.

Dolichopus popularis (W.) 5 July. Two m.
D. discifer. (Stan.) 1 June. One f. (Whixall).
D. atratus (Mg.) 13 July. One m.
D. lepidus (Staeg.) 1 June. One m. (Whixall).
Gymnopternus cupreus (Fln.) 1 June. Common (Whixall).
Xiphandrium caliginosum (Mg.) June. Fairly common.
X. appendiculatum (Ztt.) 15 May. 2 m.
Campsicnemus curvipes (Fln.) September. Common.

SYRPHIDAE.

Chrysogaster chalybeata (Mg.) 13 July. One m.
Chilosia albitarsis (Mg.) May. Common.
Syrphus venustus (Mg.) 1 June. One f. (Whixall).
S. lasiopthalmus (Ztt.) 27 April. One pair.
S. lunulatus (Mg.) 29–30 May. Three m.
S. tricinctus (Fln.) 29 August. One f.
Baccha obscuripennis (Mg.) 4 July. One f.
Sericomyia lappona (L.) 1 June. Not uncommon (Whixall).

TACHINIDAE.

Exorista vetula (Mg.) May–June. Three f.
Blepharidea vulgaris (Fln.) 22 August. One f.

MUSCIDAE.

Cyrtoneura pabulorum (Fln.) April–September. Not uncommon.
C. caesia (Mg.) August–October. Two m.

ANTHOMYIDAE.

Phaonia (Hyetodesia) serva (Mg.) 1 June. One m. (Whixall).
Lasiops (Hyetodesia) semicinereus (W.) 7 June. One m.
Limnophora denigrata (Mg.) June–July. Fairly common.
(=**Spilogaster nigrinervis, Ztt.**)
Hydrotaea albipuncta (Ztt.) May–June. Common.
H. meteorica (L.) May–September. Three m.
H. occulta (Mg.) May. Two m.
H. similis (Meade). 22–23 August. Two m.
Drymia hamata (Fln.) July–September. Not uncommon.
Pegomyia nigritarsis (Ztt.) May–June. Common. Bred from dock leaves.
Hylemyia brunnescens (Ztt.) 22 August. One m.
(=**H. nigrescens (Meade).**
H. brassicae. (Bouche). May–August. Common
(=**Phorbia floccosa (Meq.)**
Homalomyia (Fannia) parva (Stein). 5 June. One m.
H. sociella (Ztt.) 29–30 May. Three m.
H. mutica (Ztt.) May. Common.
H. monilis (Hal.) May–September. Occasionally.
H. coracina (Lw.) May–June. Two m.
Coenosia sexnotata (Mg.) May–September. Common.
Caricea intermedia (Fln.) August–September. Fairly common.
Hoplogaster mollicula (Fln.) 6 July. One m

COROYLURIDAE.

Cordylura pudica (Mg.) 1 June. One m. (Whixall).
C. albipes (Fln.) 6 June. One m.
Urophora solstitialis (L.) July–August. One pair f. (Benthall) (*Potts*)

METEOROLOGY.

MONTHLY NOTES, 1925.

JANUARY—

(14) Abnormal fall at beginning of the month. (16) a terrific wind night of 2nd and 3rd. (23) Wind chiefly W. to N.W. Thunder with hail on 4th. (24) A mild month. (29) Rough and wet early part ; afterwards mild.

FEBRUARY—

(23) Wind chiefly W. W. Gale 9th. Snow 11, 16, 21. A stormy month.

MARCH—

(14) Temperature rather low for March.

APRIL—

(20) Both March and April were fairly dry, and enabled spring sowing to be well done. (23) Wind W. to N.W. for 19 days ; the rest E. to N.E. Snow 10, 21, 24. A dry month.

MAY—

(20) Only .44 of rain in 49 days (23) Wind W. or N.W. 20 days ; rest E. Thunder 7th. Gale 16th. Heavy hail 30th.

JUNE—

(2) Warmest June for many years ; complete drought lasted 31 days 22 hours. (5) Rain measured on only 2 days, viz. : .11 on 1st, .01 on 26th. (16) Wonderful spell of fine weather lasting practically from June 1st to July 19th. (20) June and first half of July (49 days) only .44 of rain. Wind W. or N.W. 16 days ; rest E. or N.E. Very hot 11th and 12th. A hot, dry month. (24) Hop crops dried up. (26) Lowest rainfall for 60 years.

JULY—

(29) Driest month of 61 years of records ; not $\frac{1}{5}$ inch in 38 days ; not $\frac{1}{2}$ inch in 52 days ; not 1 inch in 55 days. (23) Wind W. or N.W. 21 days. Very hot 11th and 13th. Sun temperature 119 on 12th. Heavy thunder 22nd. (24) Heavy thunder and rain on 23rd ; vivid lightning ; the centre of storm seemed to be local.

AUGUST—

(29) Warmest post-war August. (20) Good hay got together. (23) Wind W. or N.W. on 24 days ; heavy thunderstorm 23rd ; thunder on 21st. (24) The whole a warm sunny summer month. (29) A lot of rain to 13th ; afterwards fair.

SEPTEMBER—

(29) Coldest post-war September ; one of the wettest months. (23) Wind W. or N.W. on 29 days. Heavy rain 19th. Thunder on 8th. Gale on 25th. (24) On Sat. Sept. 24th barometer 9 a.m., 29.70 ; 11 a.m. 29.10 ; 1 p.m. 29.50. (29) Wet ; sharp frost on 13th. (20) August and September : thunder heard on at least 21 days in these two months.

OCTOBER—

(20) September and October ; 2 of the wettest months, though in Oct. no rain till the 13th. (23) Wind W. or N.W. on 20 days ; the rest E. Gale 17th to 22nd ; heavy rain night of 19th. (24) A good month for harvesting.

NOVEMBER—

(23) Wind E. or N.E. on 22 days ; rest S.W. or W. Fog 15th, 16th, 17th 19th ; very thick on 20th. (24) Frosts began early, before all the potatoes were dug. (29) Showery early part ; afterwards frosty.

DECEMBER—

(1) Snowfall on 19th to 23rd Dec. 12 inches. (2) Coldest December for a great number of years. (4) Snow, as rain .78 inches. (16) A blizzard on 22nd. Snow in deep drifts on the high land. (23) Wind N.W. 18 days ; rest S.E. or N.E. Snow 13, 15, 19, 20, 21, 22 ; very heavy. Fog on 4th ; gale 30th. (29) Sharp frost ; heavy snow 22nd, 23rd, 24th. (1) Snow 19th—23rd, =12 inches.

FARM NOTES.

(5) Hay crops good ; easily got. (15) All farm crops very good. (16) Fair corn crops ; swedes and turnips poor, when not sown early. Very fair crops of hay and well got. (23) Farm crops—on the whole—good. (24) locally one of the best years for a long time ; good crops harvested in good condition.

GARDEN CROPS.

(5) Potatoes and vegetables good ; small fruit good ; apples, plums and stone fruit poor.

(14) Garden work was somewhat hindered especially in the autumn by the rainfall; there having been no long interval of dry weather. (15) Vegetables good; fruit bad.

(16) Potatoes a good crop; green vegetables moderate as a result of the drought in June and July. A poor year for all fruits. (20) Fairly good. Strewberries, raspberries, logans and currants all good crops; plums partial; pears and apples much below the average; cider fruit very scarce.

(22) Fruit crops fairly good except pears and plums, which were poor. Vegetables good, but frost was rather severe on winter vegetables.

(23) Apples good; stone fruit a failure; strawberries a half crop; gooseberries good; raspberries good; pears bad; potatoes good; early peas good; late peas a failure.

EXTREMES.

Greatest rainfall in 24 hours, Ludlow, December ..	1.37
Greatest number of rainy days, Church Stretton ..	205
Least number of rainy days, Ludlow	132
Lowest Temperature, Dec. 4th, Craven Arms	13°
Highest Temperature, June 10th, Sansaw	102°
Warmest month, June, ...	average 88°
Coldest month, December	average 17°
Wettest month	January
Driest month	June

NOTES ON THE WHOLE YEAR.

(16) An excellent summer followed by a wet autumn. (22) Summer months very hot and dry; wet later, with severe frost most of November.

W. M. D. LA TOUCHE.

TABLE No. I.

NAMES OF OBSERVERS AND STATIONS.

NO.	ALTITUDE. FEET.	STATION.	OBSERVER.	LATITUDE. ° ′ ″	LONGITUDE. ° ′ ″
(1)	894	Burwarton	Mr. A. Allardice	52 27 30	3 34 0
(2)	800	Woolstaston	Rev. A. Clover	50 34 0	3 0 0
(3)	760	Leebotwood	Mr. J. Hopkins	52 30 40	2 40 20
(4)	720	Bishop's Castle	Mr. E. Griffiths	52 30 0	3 0 0
(5)	700	Lydbury North	E. H. Whitaker, Esq.	52 5 0	2 56 30
(6)	700	Church Stretton	H. Constantine, Esq.	52 32 0	2 48 0
(7)	698	Reservoir, Oswestry	G. W. Lacey, Esq.	52 48 0	3 3 0
(8)	596	Bishop's Castle	Rev. G. W. Stewart	52 29 20	2 59 50
(9)	582	Bishop's Castle	R. Parry, Esq.	52 29 50	3 0 0
(10)	582	Church Stretton	E. J. Marsh, Esq.	52 30 49	2 49 33
(11)	509	Bitterley	Rev. J. R. Burton	52 23 40	2 38 0
(12)	485	Wistanstow	Rev. W. M. D. La Touche	52 27 52	2 50 4
(13)	460	Bridgnorth	E. M. Wakeman, Esq.	52 28 20	2 20 0
(14)	450	Oswestry	E. Compton, Esq.	52 48 0	3 3 0
(15)	406	Craven Arms	R. E. Serjeantson, Esq.	52 25 0	2 50 0

TABLE No. 1—continued.

NO.	ALTITUDE. FEET.	STATION.	OBSERVER.	LATITUDE. ° ′ ″	LONGITUDE ° ′ ″
(16)	370	Diddlebury	V. S. Wrigley, Esq.	52 27 25	2 43 30
(17)	350	Norton-in-Hales	C. Chadwic, Esq.	52 56 30	2 26 30
(18)	350	Dorrington	Miss Hope Edwardes	52 34 0	2 46 40
(19)	320	Bromfield	F. Brayshaw, Esq.	52 23 10	2 45 40
(20)	315	Ludlow	W. Downes Hall, Esq.	52 20 0	2 42 45
(21)	300	Oakly Park	Mr. T. R. Francis	52 22 50	2 45 20
(22)	290	Sansaw	Mr. J. Clark	52 48 0	2 43 30
(23)	290	Bridgnorth	Mr. W. Bayliss	52 23 30	2 25 40
(24)	283	Shifnal	Mr. T. F. Chard	52 40 11	2 31 30
(25)	280	Newport	Col. R. Leeke	52 46 40	2 23 30
(26)	271	Whitchurch	Mr. W. Sowden	52 56 30	2 45 0
(27)	238	Fitz Rectory	Rev. W. Brewster	52 45 20	2 49 10
(28)	235	Radbrook, Shrewsbury	D. Macpherson, Esq.	52 42 0	2 46 45
(29)	208	Roden	J. W. Nowell, Esq.	52 44 30	2 37 40
(30)	190	Shrewsbury	Dr. M. Gepp	52 42 40	2 45 55

TABLE No. 2.

MONTHLY RAINFALL IN INCHES.

		JAN.	FEB.	MAR.	APL.	MAY.	JUNE.	JULY.	AUG.	SEPT.	OCT.	NOV.	DEC.	TOTAL.
(1)	Burwarton ..	2.60	4.45	1.73	3.35	2.96	—	2.33	2.58	4.02	4.81	2.32	3.68	34.83
(2)	Woolstaston ..	3.02	4.80	1.27	2.42	3.21	0.03	2.44	3.18	3.62	4.17	2.38	3.27	33.76
(3)	Leebotwood ..	2.32	3.48	1.07	2.10	2.71	0.06	2.25	2.94	3.53	3.78	1.56	2.49	28.29
(4)	Bishop's Castle ..	2.72	3.93	1.09	1.83	4.13	0.01	1.89	3.08	3.09	3.51	2.23	2.75	30.26
(5)	Lydbury North ..	2.54	3.41	0.86	1.84	3.26	0.12	2.12	4.04	2.62	3.59	2.21	3.00	29.61
(6)	Church Stretton ..	2.68	4.03	1.35	2.28	3.41	0.12	2.19	3.40	3.30	4.55	2.82	3.56	33.69
(7)	Reservoir, Oswestry ..	3.71	5.43	1.36	2.12	3.36	0.06	2.56	3.67	2.77	4.80	2.80	4.16	36.80
(8)	Bishop's Castle ..	2.88	3.68	1.31	2.13	3.58	0.03	2.14	3.17	3.37	3.68	2.26	3.75	31.98
(9)	Bishop's Castle ..	2.86	3.89	1.10	1.90	3.33	0.01	2.02	2.55	3.32	3.49	2.16	3.34	29.88
(10)	Church Stretton ..	2.74	4.49	1.43	2.68	4.19	0.20	2.55	4.15	3.50	4.68	3.02	3.77	37.40
(11)	Bitterley ..	3.00	3.87	0.87	1.84	3.43	0.11	2.47	1.93	3.78	3.90	2.12	3.22	30.54
(12)	Wistanstow ..													
(13)	Bridgnorth ..	2.30	3.43	1.09	2.64	2.73	0.08	2.87	2.91	4.06	3.87	1.77	2.59	30.67
(14)	Oswestry ..	3.27	4.78	1.30	1.94	2.65	0.08	2.32	3.52	2.66	3.62	2.09	3.49	31.72
(15)	Craven Arms ..	2.07	4.09	0.57	1.62	2.85	0.06	1.78	3.78	2.48	2.93	1.88	1.81	25.92
(16)	Diddlebury ..	2.24	3.50	0.93	2.25	2.83	0.00	2.12	2.97	3.06	3.72	2.14	2.54	28.30

TABLE No 2.—continued.

		JAN.	FEB.	MAR.	APL.	MAY.	JUNE.	JULY.	AUG.	SEPT.	OCT.	NOV.	DEC.	TOTAL.
(17)	Norton-in-Hales ..	1.88	4.60	1.36	1.44	4.27	0.14	3.15	3.11	3.76	3.78	1.78	2.41	31.68
(18)	Dorrington ..	2.56	3.34	1.12	2.41	2.70	0.02	2.37	2.82	2.98	3.51	1.80	2.24	27.87
(19)	Bromfield ..	2.14	3.71	0.81	2.24	3.37	0.15	2.56	2.98	3.41	3.80	2.23	2.43	29.83
(20)	Ludlow ..	2.83	3.86	0.74	1.90	3.22	0.11	2.75	2.54	4.16	3.85	2.37	3.57	31.90
(21)	Oakly Park ..	2.48	4.00	0.97	2.29	3.60	0.15	2.49	3.12	3.58	3.88	1.88	3.08	31.52
(22)	Sansaw ..	2.30	4.32	1.03	1.26	2.95	0.02	3.33	5.10	3.23	3.05	1.67	2.89	31.15
(23)	Bridgnorth ..	2.50	3.40	1.05	2.16	2.77	0.06	2.51	3.20	3.78	3.70	1.68	2.71	29.52
(24)	Shifnal ..	1.96	3.50	0.89	1.78	3.02	0.00	3.19	2.18	3.82	3.29	1.51	2.76	27.90
(25)	Newport ..	1.76	3.72	1.15	1.42	3.02	0.04	3.65	2.39	4.35	3.29	1.82	2.21	28.82
(26)	Whitchurch ..	1.98	4.05	0.59	1.10	3.06	0.02	3.11	3.63	2.96	3.13	2.76	2.65	29.04
(27)	Fitz Rectory ..	2.43	1.05	1.15	2.01	2.53	0.00	2.17	3.39	2.96	3.03	1.67	2.66	25.05
(28)	Radbrook, Shrewsbury	1.82	3.67	0.85	1.83	2.34	0.00	2.07	3.39	2.85	2.90	2.00	2.42	26.64
(29)	Roden ..	1.73	3.25	0.94	1.34	2.35	0.01	2.74	2.01	3.16	3.09	1.17	1.82	23.61
(30)	Shrewsbury ..	1.38	3.37	0.99	1.54	1.88	0.00	1.95	3.21	2.68	2.37	1.56	2.04	22.97
	Totals	70.76	111.10	20.97	57.66	99.68	1.69	82.09	80.94	86.77	60.81	39.66	83.31	870.32
	Averages	2.35	3.7	.69	1.92	3.3	.56	2.7	2.6	2.8	2.0	1.32	2.7	**29.0**

Note.—All rain records taken in the morning, should be entered as having fallen on the **previous day** *for the sake of uniformity and other reasons.*

TABLE No. 3.

GREATEST RAINFALL IN 24 HOURS, WITH DATES.

	Jan.	Day	Feb.	Day	Mar.	Day	Apl.	Day	May	Day	June	Day	July	Day	Aug.	Day	Sept.	Day	Oct.	Day	Nov.	Day	Dec.	Day
(1) Burwarton ..	.67	1	1.14	11	0.31	31	.90	6	.49	23	—	—	.75	22	.65	8	.94	19	1.15	19	.70	6	.90	22
(2) Woolstaston ..	.60	1	1.07	11	.24	8	.42	5	.42	23	.03	1	.70	25	.92	10	.79	19	1.02	26	1.05	6	.60	19
(3) Leebotwood ..	.61	1	.77	1	.19	8	.45	5	.50	23	6	1	.60	22	.79	10	.80	19	.85	26	.48	6	.61	22
(4) Bishop's Castle	.83	3	.87	4	.23	25	.50	5	.92	23	.01	1	.54	22	.64	10	.78	19	.83	26	.82	6	.71	19
(5) Lydbury North	.72	1	.70	11	.17	25	.40	5	.76	23	.11	1	.58	22	1.10	23	.79	19	.80	19	.75	6	.60	19
(6) Church Stretton	.72	1	.64	11	.24	8	.48	5	.50	23	.12	1	.08	22	.83	8	.68	19	1.02	19	.81	6	.90	22
(7) Resv. Oswestry	1.26	1	.80	11	.32	8	.32	18	.54	23	.06	26	.97	22	.78	21	.64	19	.90	19	.71	6	1.01	29
(8) Bishop's Castle	.84	1	.90	11	.26	25	.50	5	.83	23	.03	1	.54	22	.68	10	.80	19	.83	19	.84	6	.72	22
(9) Bishop's Castle	.75	1	.98	11	.22	25	.48	5	.94	23	.01	1	.52	22	.63	10	.74	19	.77	26	.77	6	.71	19
(10) Church Stretton	.71	1	.77	11	.32	25	.55	5	.85	7	.20	1	.78	22	1.04	10	.71	19	.96	26	.91	6	.92	22
(11) Bitterley ..	.75	1	.95	11	.15	23	.55	5	.55	23	.11	1	.72	22	.54	7	.79	19	.78	19	.72	6	1.12	22
(12) Wistanstow ..																								
(13) Bridgnorth ..	.75	1	.78	11	.23	23	.55	5	.26	8	.05	13	.77	22	.77	10	1.05	19	.77	19	.62	2	.73	19
(14) Oswestry ..	1.10	1	.57	11	.26	8	.28	18	.49	23	.08	26	.81	22	.67	23	.59	19	.80	19	.42	7	.95	30
(15) Craven Arms ..	.65	1	.78	23	.12	31	.37	5	.41	7	.06	1	.28	22	1.07	23	.65	19	.65	18	.60	6	.21	29
(16) Diddlebury ..	.66	1	.74	11	.16	31	.56	5	.41	23	0	—	.66	22	.95	11	.78	20	.84	19	.47	6	.71	22
(17) Norton-in-Hales	.47	2	.44	12	.19	2	.29	6	1.20	24	.08	17	1.22	23	.78	2	.70	24	.66	27	.43	7	.45	23
(18) Dorrington ..	.61	1	.76	11	.23	8	.42	5	.42	7	.2	1	.75	22	.85	19	.78	18	.80	18	.66	5	.28	28
(19) Bromfield ..	.57	1	.86	11	.15	31	.62	5	.68	23	.15	1	.61	22	1.20	10	.88	19	.87	19	.84	6	.55	19
(20) Ludlow ..	.55	14	1.17	11	.17	25	.40	15	.66	23	.71	1	.56	26	.68	10	.90	19	1.03	19	.75	2	1.37	22
(21) Oakly Park ..	.62	1	.92	11	.18	31	.38	5	.68	23	.15	1	.67	22	1.08	10	.92	19	.88	19	.75	6	.75	22
(22) Sansaw ..	.67	1	1.70	11	.38	1	.34	5	.42	23	.01	14-15	1.20	22	1.03	20	.70	19	.67	26	.40	6	.74	25
(23) Bridgnorth ..	.75	1	.93	11	.21	31	.41	5	.40	8	.06	1	.76	22	1.37	23	1.00	19	.87	19	.44	6	.64	22
(24) Shifnal ..	.48	2	1.06	12	.16	2	.31	5	.78	23	0	0	1.10	23	.59	11	.87	19	.91	19	.68	7	.50	26-31
(25) Newport ..	.36	1	1.11	11	.31	1	.28	5	.81	25	.02	19	1.42	23	.49	10	.83	19	.83	19	.44	5	.61	22
(26) Whitchurch ..	.55	1	1.50	11	.20	25	1.15	22-26	.45	19	.02	15	1.08	22	.70	23	.71	20	.48	15	.61	6	.52	22
(27) Fitz Rectory ..	.64	1	1.37	11	.40	1	.22	5	.49	23	0	0	.71	22	.63	10	.69	19	.70	19	.57	6	.64	22
(28) Radbrook, Shr.	.33	1	.92	11	.24	1	.30	5	.41	23	0	0	.68	22	.87	10	.74	18	.68	19	.48	2	.73	25
(29) Roden ..	.27	31	.91	11	.22	1	.27	15	.47	23	.01	13	.48	25	.62	8	.68	19	.61	15	.32	7	.55	22
(30) Shrewsbury ..	.27	1	.85	11	.27	1	.29	5	.40	23	0	0	.70	22	.67	10	.66	19	.68	19	.36	6	.59	22

TABLE No. 4.

RAINY DAYS.

A Rainy Day means a day in which at least .01 of rain fell.

	JAN.	FEB.	MAR.	APL.	MAY.	JUNE.	JULY.	AUG.	SEPT.	OCT.	NOV.	DEC.	TOTAL.
(1) Burwarton ..	No record												
(2) Woolstaston ..	15	25	12	19	20	1	10	14	21	18	12	21	188
(3) Leebotwood ..	12	21	11	17	14	1	9	14	15	16	10	16	156
(4) Bishop's Castle ..	16	23	12	14	21	1	11	15	16	18	13	26	186
(5) Lydbury North ..	16	25	13	18	20	2	13	15	18	15	13	18	186
(6) Church Stretton..	16	23	15	19	19	1	14	18	18	18	12	20	193
(7) Reservoir, Oswest.	16	23	15	19	20	1	12	16	21	19	14	23	199
(8) Bishop's Castle ..	17	14	13	17	21	1	11	16	16	19	13	20	178
(9) Bishop's Castle ..	16	23	12	17	20	1	11	15	15	19	14	19	182
(10) Church Stretton..	18	25	17	20	18	1	14	15	20	20	15	22	205
(11) Bitterley ..	13	21	9	17	19	1	11	13	19	14	8	16	161
(13) Bridgnorth ..	15	20	16	15	18	2	13	12	18	16	8	17	170
(14) Oswestry ..	13	23	13	16	16	1	11	15	17	17	13	17	172
(15) Craven Arms ..	14	22	13	18	19	1	10	18	15	17	13	19	179
(16) Diddlebury ..	18	22	13	19	21	—	11	14	17	17	13	19	184

TABLE No. 4—continued.

	JAN.	FEB.	MAR.	APL.	MAY.	JUNE.	JULY.	AUG.	SEPT.	OCT.	NOV.	DEC.	TOTAL.
(17) Norton-in-Hales	14	25	21	17	24	3	13	23	23	10	11	17	201
(19) Bromfield ..	17	24	14	21	21	1	16	18	22	16	11	21	202
(20) Ludlow ..	12	14	7	13	15	1	8	13	13	15	9	12	132
(21) Oakly Park ..	16	21	13	18	19	1	9	15	16	15	7	14	164
(22) Sansaw ..	15	23	14	17	21	2	12	19	21	16	12	18	190
(23) Bridgnorth ..	13	21	14	19	22	1	11	12	17	16	11	17	174
(24) Shifnal ..	13	20	14	14	19	—	10	14	13	12	6	12	147
(25) Newport ..	14	22	17	17	23	3	12	16	19	20	17	—	180
(26) Whitchurch ..	12	17	12	17	20	1	11	18	19	17	12	20	176
(27) Fitz Rectory ..	13	19	10	19	16	0	11	17	17	16	11	18	167
(28) Radbrook, Shrews.	16	24	13	21	17	0	10	17	19	16	15	20	188
(29) Roden ..	10	23	14	21	20	1	12	13	19	17	22	20	192
(30) Shrewsbury ..	11	22	11	18	25	0	9	16	17	13	12	18	172
Totals ..	391	385	358	477	328	29	305	421	481	442	327	480	4824
Averages ..	13	12	11	12	10	1	10	14	16	14	10	16	160

TABLE No. 5.

TEMPERATURES—HIGHEST & LOWEST, WITH DATES.

HIGHEST TEMPERATURE.

	Jan.	Feb.	Mar.	April.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Total.
(1) Burwarton ..	51 15	49 18	58 16	63 12	71 15	87 11	86 13	80 16	68 2	75 2	58 6	52 29	798
(2) Woolstaston	54 2	51 28-10	58 16	63 8-12	74 16-18-19	84 10	83 22	75 31	69 30	70 3	57 2	54 29	792
(15) Craven Arms	54 2	55 8	58 16	62 9	72 17	86 10	85 14	78 31	71 29	70 4	57 2	58 29	806
(17) Norton-in-Hales	53 31	54 9	53 16	65 12	73 14	88 11	89 3	75 18	74 1	67 7	56 1	55 29	802
(21) Oakly Park ..	55 23		56 16	62 12	71 18	87 11	84 13	78 17	70 30	70 3	55 1	56 29	744
(22) Sansaw ..	60 15	63 15	69 16	79 7	87 15	102 10	99 13	97 17	85 14	94 3	70 6	57 8	962
(24) Shifnal ..	52 31	56 14	55 9	63 22	68 26	86 9-13	86 29	85 1	85 12	68 8	67 1	50 10	821
(29) Roden ..	54 2	55 10	53 16	62 12	70 15	84 10	84 22	77 17	69 29	70 3	56 2	56 29	790
Averages ..	54	47	57	64	73	88	87	80	73	73	59	54	809

LOWEST TEMPERATURE.

	Jan.	Feb.	Mar.	Apl.	May.	June.	July.	Aug.	Sept.	Oct.	Nov	Dec.	Total
(1) Burwarton ..	27 10	26 15	22 21	25 4	30 1	39 29	41 8	38 30	35 25	26 14	21 14	18 23	348
(2) Woolstaston	29 9	27 23	23 21	28 3	37 12	42 1	46 26	47 1-25-29	41 9	33 13	24 20	23 4-14-22	400
(15) Craven Arms	24 10	27 22	22 13	26 4	30 1	36 2	42 31	40 30	29 14	36 10	15 14	13 4	340
(17) Norton-in-Hales	27 16	29 22	25 13	30 1	32 1	40 3	46 8	42 16	32 14	31 9	21 26	17 3	372
(21) Oakly Park ..	20 10	24 24	20 13	26 4	28 1	33 2	44 8	40 30	28 14	23 15	15 14	14 4	315
(22) Sansaw ..	27 16-24	29 22-24	33 22	28 4	33 2	39 3	43 31	43 26	34 13	28 15	21 14	28 4	386
(23) Bridgnorth ..	23 24	26 20	20 12	23 3	33 8	34 2	41 7	40 6	30 12	27 9-13	19 13	18 5	334
(24) Shifnal ..	27 24-25-26	27 9-10	26 14	25 6	31 3-4	36 4	46 1-31	45 31	36 16-17	31 11	19 14	16 4	364
(29) Roden ..	24 16	30 21	28 10	29 21	31 1	38 19	42 31	40 22	30 13	26 9	19 12-13	15 4	352
Averages ..	24	27	24	26	20	26	43	30	32	28	18	17	315